Agricultural Medicine: Occupational & Environmental Health for Rural Health Professionals

Session I: January 20, 2012
Greenville, North Carolina

Sessions II-VII: February – March, 2012
Via the web

Session VIII: April 19 & 20, 2012
Greenville, North Carolina

The Core Course

East Carolina University
Statement of Purpose

To provide basic information and skills to enable the health care professionals to function in the anticipation, diagnosis, treatment, and prevention of occupational illnesses and injuries in the farm community. Successful completion of this course allows participants to join AgriSafe® as a Provider Member. AgriSafe® provider benefits include clinical resources, technical assistance, continuing education, and use of the trademarked name AgriSafe® in promoting agricultural health services.

To provide farmworker health outreach staff, Cooperative Extension Agents, occupational safety professionals, students, faculty, and other individuals with basic information and skills necessary to recognize potential for occupational illness and injury in the farm environment.

To increase opportunities for collaboration & networking among health care professionals, farmworker health outreach staff, Cooperative Extension Agents, occupational safety professionals, students, faculty, and other individuals in order to expand local, state, and regional efforts to reduce illness and injury among agricultural populations.

Target Audience

Nurses, nurse practitioners, physicians, physician assistants, physical therapists, veterinarians, and other interested health care professionals as well as Farmworker Health Outreach staff, Cooperative Extension Agents, Occupational Safety professionals, students, faculty, and other individuals interested in occupational and environmental health for agricultural populations.

Credit Available to Participants

This program has been submitted to the Division of Continuing Studies – East Carolina University for approval to award continuing education units (CEU's).

This activity has been submitted to the North Carolina Nurses Association for approval to award contact hours. The North Carolina Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

Course attendance and completion of the pre and post exams and an evaluation for each of the sessions attended is required to receive continuing education credits.

All health professionals intending to be part of the AgriSafe® Network must attend both sessions of the training, complete the exams with a proctor present, and pass both examinations. A score of 70% or higher must be obtained for a passing grade. Individuals who do not pass the exam on the initial attempt will be given the option to re-take the exam. Exam support will be provided by Iowa’s Center for Agricultural Safety and Health.

Training Details

**Early Registration (On or Before January 4, 2012)**

Full Course (Sessions I-VIII) = $700 (Save $200)

Session I-VII only = $350

Session VIII only = $350

**Late Registration (After January 4, 2012)**

Full Course (Sessions I-VIII) = $900

Session I-VII only = $450

Session VIII only = $450
Session I  Friday, January 20, 2012

Session 1 is a one-day on-site introduction to Agricultural Medicine and will be held at:
City Hotel & Bistro
203 SW Greenville Blvd.
Greenville, NC 27834
252-355-8300 or 877-271-2616

7:30 am - 8:00 am  Registration & Continental Breakfast

8:00 am -8:15 am  Welcome & Orientation to Facilities
Robin Tutor-Marcom, MPH, OTR

8:15 am – 9:45 am  Introduction and Overview

- Brief history and description of agricultural health
  Kelley J. Donham, MS, DVM, DACVPM
- Diversity of agriculture in NC including fishing, farming, & forestry
  Julia Storm, MSPH
- Overview of Migrant/Seasonal Farmworkers
  Robin Tutor-Marcom, MPH, OTR

9:45 am – 10:00 am  Break

10:00 am – 12:00 pm  Agricultural Respiratory Diseases
Martha Carraway, MD (invited)) & Kelley Donham, MS, DVM, DACVPM

12:00 pm – 1:00 pm  Lunch (provided)

1:00 pm – 2:15 pm  Zoonotic Diseases
Kelley Donham, MS, DVM, DACVPM

2:15 pm – 2:30 pm  Break

2:30 pm – 3:45 pm  Zoonotic Diseases (continued)
Ricky Langley, MD

3:45 pm – 5:15 pm  Veterinary Biological & Therapeutic Occupational Hazards
Peter Cowen, DVM, MPVM, PhD & Kelley Donham, MS, DVM, DACVPM

5:15 pm – 6:15 pm  Behavioral Health Issues in the Agricultural Community
Lena Carawan, PhD

6:15 pm – 6:30 pm  Preparing to Participate in Distance Education Sessions
Annette Greer, PhD, MSN, RN
Distance Learning Sessions February – March, 2012

Distance Learning sessions will be conducted using one of the following formats:

- Self study of posted slides followed by one hour live chat session with instructors
- Live presentation & discussion of slides with instructors

Dates & times for distance learning sessions are subject to change. Final schedule/format and instructions for distance education sessions will be provided at conclusion of Session 1. Specified time (i.e. 11:30-12:30) is for live chat sessions only. Additional time required for self study is as indicated. For sessions requiring live presentation, times will be adjusted to no more than the total indicated for live chat session and self study.

Session II
Friday, February 10, 2012
11:30 am – 12:30 pm
Self Study 1.25 hours
General Environmental Hazards in Agriculture: Focus on Confined Animal Feeding Operations (CAFOs)
Mike Williams, PhD

Session III
Friday, February 17, 2012
11:30 am - 12:30 pm
Self Study 2.0 hours (part 1
Self Study 1.75(part II )
Agricultural Trauma (will cover parts 1 and 2)
Jim Young & Jeffrey Ferguson, MD

Session IV
Friday, February 24, 2012
11:30 am - 12:30 pm
Self Study 2.25 hours
Agricultural Toxicology -Health Effects of Agricultural Pesticides
Julia Storm, MSPH

Session V
Friday, March 9, 2012
11:30 am - 12:30 pm
Self Study 2.0 hours
Physical Factors Affecting Health in Agriculture
Sharon Rutledge, PhD & Kelley Donham, PhD, DVM, DACVPM

Session VI
Friday, March 16, 2012
11:30 am -12:30 pm
Self Study 2.5 hours
Musculoskeletal Diseases and Ergonomics in Agriculture
Sue Leach, PhD

Session VII
Friday, March 23, 2012
11:30 am – 12:30 pm
Self Study 1.5 hours
Skin Diseases in Agriculture
William Burke, MD
Session VIII – Thursday, April 19 & Friday, April 20, 2012

Session VIII is a two-day on-site session and will be held at:

City Hotel & Bistro
203 SW Greenville Blvd.
Greenville, NC 27834
252-355-8300 or 877-271-2616

April 19, 2012

7:30 am – 8:00 am    Continental Breakfast & Registration

8:00 am – 8:30 am    Course Overview for those attending Session II only
                       Kelley Donham, MS, DVM, DACVPM

8:30 am – 10:00 am   Cancer in Agricultural Populations
                       Michael Alavanja, Dr.P.H

10:00 am – 10:15 am  Break

10:15 am – 11:15 am  Resources for Individuals Farming with a Disability & Their Families
                       Jimo Ibrahim, PhD

11:15 am – 12:30 pm  Migrant Health Issues & Outreach
                       Steve Davis

12:30 pm – 1:30 pm   Lunch (provided)

1:30 pm – 2:45 pm    Certified Safe Farm
                       Julia Storm & Tim Britton

2:45 pm – 5:00 pm    Farm Tour & Certified Safe Farm Audit Tool
                       Lamar Grafft

5:00 pm – 7:30 pm    Agricultural Host Dinner @ Farm

7:30 pm             Approximate Arrival Time Back at Hotel
April 20, 2012

7:30 am – 8:00 am  Continental Breakfast

8:00 am – 9:00 am  Introduction to Prevention in Agriculture Theories - What does & doesn’t work
  Kelley Donham, MS, DVM, DACVPM

9:00 am -10:15 am  Use of PPE when OSHA and Worker Protection Act Applies
  Jo Anne Balanay, PhD, CIH

10:15 am – 10:30 am  Break

10:30 am – 12:30 pm  Practical Applications & Use of Personal Protective Equipment in Agriculture
  Kelley Donham, MS, DVM, DACVPM & Carolyn Sheridan, RN

12:30 pm – 1:30 pm  Lunch

1:30 pm – 2:30 pm  Integration of Agricultural Occupational Health Care into an Established Health Care Organization
  Carolyn Sheridan, RN & Barb Gallagher, RN

2:30 pm – 3:15 pm  Utilizing the AgriSafe® Operations Manual, screening forms and member benefits in the delivery of AgriSafe® health services
  Carolyn Sheridan, RN

3:15 pm – 3:30 pm  AgriSafe® of North Carolina
  Robin Tutor, MPH, OTR

3:30 pm – 3:45 pm  Break

3:45 pm – 5:15 pm  Case Presentations/Problem Solving
  Carolyn Sheridan, RN, Kelley Donham, MS, DVM, DACVPM, LaMar Grafft, MS, Barb Gallagher, RN

5:15 pm – 5:30 pm  Questions and Review of Session
Educational Objectives

At the conclusion of Session I-VII, the participant should be able to develop strategies to improve practice and patient outcomes by increasing their ability to:

- Differentiate the objectives and philosophies of rural health and agricultural medicine
- Predict the main respiratory diseases commonly found in agricultural workers, the symptoms, diagnosis, treatment and prevention.
- Detect signs, symptoms and treatment options of common zoonotic diseases in humans.
- Define the major types of pesticides, how people are exposed along with symptoms of poisoning, diagnosis and treatment of pesticide poisoning.
- Identify the uses and hazards of biological, pharmaceuticals, and antibiotics used in livestock production; devise strategies for the prevention of their misuse; and treatment of health conditions they may affect
- Recognize the effects of noise, heat, and other physical factors on worker health
- Assess types of injuries caused by various hazardous situations and extrication problems associated with farm injury incidents.
- Review the causes of agriculture related stress and how stress is associated with behavioral health issues among farming and fishing populations
- Recognize infectious dermatitis and contact dermatitis common in agricultural workers.
- Evaluate the signs, symptoms, causes and prevention strategies of skin cancer in rural residents

At the conclusion of Session VIII, the participant should be able to develop strategies to improve practice and patient outcomes by increasing their ability to:

- Compare and contrast cancer risks and their possible causes in the farm population with the general population
- Determine the difference between muscular, disc, and joint patterns of low back pain
- Describe the NC AgrAbility Partnership as a resource for individuals farming with a disability and their families
- Recommend the appropriate use and selection of personal protective equipment for respiratory, noise, and chemical hazards
- Summarize the components of a comprehensive agricultural health service such as AgriSafe®
- Assess and document on-farm safety hazards
- Review safety assessment data with the farmer and propose options for improvement
- Identify key community partners for outreach and education to the agricultural community

For more information contact:

Division of Continuing Studies
East Carolina University
252.328.9198 or 800.767.9111 (long distance only)
www.cpe.ecu.edu
Robin Tutor-Marcom, MPH, OTR
NC Agromedicine Institute
tutorr@ecu.edu
919.880.4225 or 252.744.1045

Lodging

A block of rooms has been reserved at the City Hotel & Bistro for the nights of January 19th and 20th and April 18th, 19th, and 20th. Please make your reservations directly with the hotel at 252-355-8300 or 877-271-2616. In order to receive the conference rate of $75 plus tax, reference the “ECU Agricultural Medicine Conference”. The cutoff date for reservations for January is January 4 and for April is April 5.
Registration Form

Agricultural Medicine
January – April, 2012

Personal Information

Name: _______________________________________________________
Organization: __________________________________________________
Degree: _____________________ Speciality: _________________________
Address: ______________________________________________________
City: __________________________ State: ___________________________ Zip: ______________________
Phone: __________________________ Email: _______________________

Registration Information

<table>
<thead>
<tr>
<th>Sessions I-VII:</th>
<th>On or before 1/4/12</th>
<th>After 1/4/12</th>
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<tbody>
<tr>
<td>Session VIII:</td>
<td>$350</td>
<td>$450</td>
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Payment Method

☐ Check (made payable to East Carolina University)
☐ Charge to:     ☐ Visa     ☐ MasterCard

Card Number Exp. Date

Authorizing Signature

Registration Methods

You may register by any of the following methods:

Mail to: Office of Continuing Studies, East Carolina University, 301 Self-Help Center, Greenville, NC 27858-4353
Fax to: 252.328.9342
Phone: 252.328.9198 or 800.767.9111 (long distance only)
Web: www.cpe.edu.edu